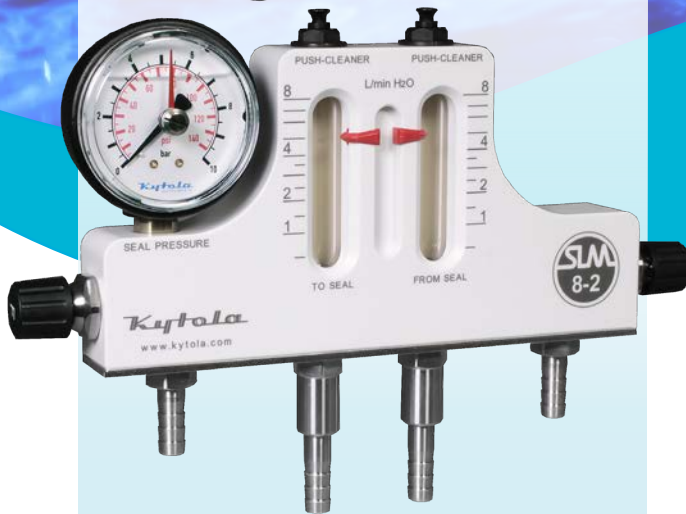


The KYTOLA® Seal Water Flow Meter Model SLM protects your seal and reduces downtime. Significant savings are achieved in maintenance and seal water costs.



- Reliable operation
- Solid construction
- Reduced seal maintenance
- Built-in cleaner does not interfere with operation
- Excellent corrosion and heat resistance
- All models alarm-ready
- Clear metering scale

ISO 9001 ISO 14001



SEAL WATER FLOW METER SLM, SLMx-2

FEATURES

- Clog resistant flow control valve
- Built-in tube cleaner
- Hose barb connectors
- Alternative connectors on request
- Mounting bracket

SLM APPLICATIONS

- Single and double mechanical seals
- Gland packings
- Flush water
- Purging
- Other flow measurement

SLMx-2 APPLICATIONS

- Double mechanical seals

SLM Seal Water Flow Meter

Most pumps, agitators, refiners, screens etc. with shaft seals require an uninterrupted sealing water flow to ensure proper function of the seal.

The purpose of sealing water is to:

- Cool the seal
- Lubricate the seal
- Prevent the process media from entering the seal chamber

Also the seal condition can be determined by proper monitoring of the sealing water flow and pressure.

Stop pouring money into the drain

Adequate cooling and lubrication are essential for any kind of seal.

However, uncontrolled flow may multiply the necessary water and energy consumption. It is easy to create huge savings in costs by reducing excess water flow with accurate and proper adjustment of seal water flow and pressure.

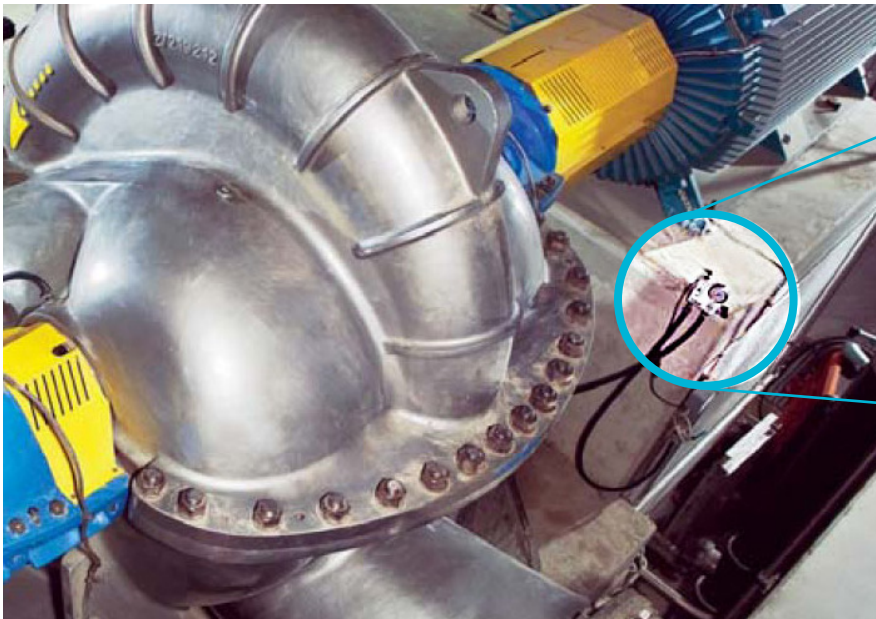
The Kytola SLM Seal Water Flow Meter is especially designed for applications on pumps and mechanical seals in processes and applications where uninterrupted seal water flow is required.



Easy maintenance reduces down time

The built-in cleaner is designed not to interfere with operation. It effectively removes built-up contaminants.

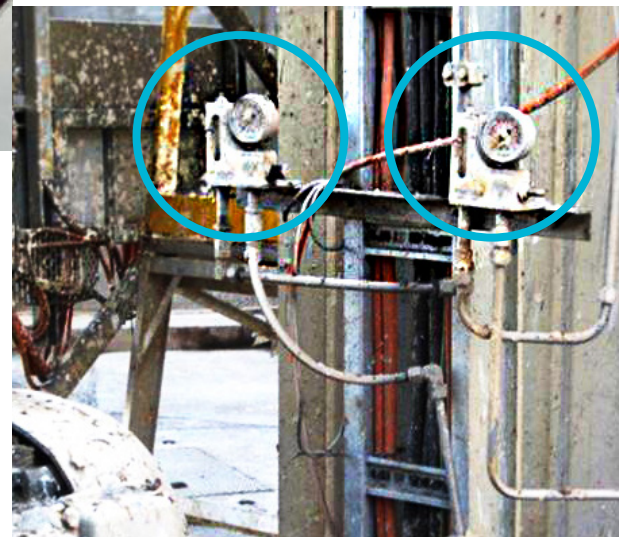
The long, clear metering scale guarantees visibility and easy inspection of flow level.



Innovative design offers durability and flexibility

The various sealing liquid monitor models guarantee compatibility with all seal types. The strong and compact design ensures maximum resistance to external impact.

The SLM has been specially optimized to withstand contaminated water. Reliable and accurate flow measurement is based on a variable area metering principle using a free-floating float. The sealing liquid monitor can also be easily equipped with an alarm output by utilizing an inductive proximity sensor.



QUENCH SEALS SLM



SINGLE SEALS AND PACKINGS SLM with pressure gauge



DOUBLE MECHANICAL SEALS SLM with pressure gauge and pressurizing valve



DOUBLE MECHANICAL SEALS DUAL SLM with pressure gauge



SLM

Range Code	H ₂ O Flow Rate	Adjustable Alarm Range	
0.025 – 0.4	L/min	0.03 – 0.25 L/min	0.4
0.05 – 1	L/min	0.1 – 0.55 L/min	1
0.1 – 3	L/min	0.4 – 2 L/min	3
0.5 – 8.0	L/min	1 – 5 L/min	8
1 – 13	L/min	2 – 9 L/min	13
0.25 – 6	USGPH	0.5 – 4 USGPH	6
1 – 15	USGPH	1.5 – 9 USGPH	15
2 – 50	USGPH	6 – 35 USGPH	50
0.1 – 2	USGPM	0.25 – 1.2 USGPM	2
0.25 – 3.5	USGPM	0.5 – 2.5 USGPM	35

Connection (see below for other choices)

3/8" tube compression fitting	OA16
1/4" NPT female connection**	QD11
3/8" NPT male connection	EF33

Options

Inductive prox. sensor 20 – 250 VAC/DC (ILK-M18-AB)	A
Inductive prox. sensor 10 – 55 VDC (ILK-M18-FR)	F
Intrinsically safe NAMUR sensor (ILK-18-N-10)	I
Intrinsically safe NAMUR sensor for SLM13 (ZILKSLM-N-12)	Q
Pressure gauge 145 psi, 10 bar, brass/plastic, pointer	G
Pressure gauge 100 psi, SS316/304	U
Pressure gauge 160 psi, SS316/304, pointer	T
Pressure gauge 360 psi, 25 bar, SS304 cover, pointer	E
Standard POM body with optional borosilicate glass flow tube (instead of standard PSU tube)	L
Optional PVDF body (with borosilicate glass flow tube)	K
Optional PVDF body (with PSU flow tube)	KM
EPDM seals	Y
Integral check valve (available only on QD11 and OA16)	V
Pressurizing valve	P
Floor mounting stand	S

Connectors (see above for other choices)

3/8" (10 mm) ID hose barb connectors, standard	leave blank
3/8" (10 mm) OD straight tube connectors for compression fittings	N

Example: SLM50-AGP (= Flow rate 2–50 USGPH, alarm range 6–35 USGPH, inductive prox. sensor 20–250 VAC/DC, pressure gauge 145 psi, pressurizing valve, 3/8" hose barb connectors)

Note! The former option code **M** (PSU Tube Option) is now a standard feature.

DUAL SLM

Range Code	H ₂ O Flow Rate	Adjustable Alarm Range	
0.05 – 1	L/min	0.1 – 0.55 L/min	1
0.1 – 3	L/min	0.4 – 2 L/min	3
0.5 – 8	L/min	1 – 5 L/min	8
1 – 15	USGPH	1.5 – 9 USGPH	15
2 – 50	USGPH	6 – 35 USGPH	50
0.1 – 2.0	USGPM	0.25 – 1.2 USGPM	2

Connection (see below for other choices)

3/8" tube compression fitting	OA16
1/4" NPT female connection**	QD11
3/8" NPT male connection	EF33

Options

Inductive prox. sensor 20 – 250 VAC/DC	A
Two inductive prox. sensors 20 – 250 VAC/DC	AA
Inductive prox. sensor 10 – 55 VDC	F
Two inductive prox. sensors 10 – 55 VDC	FF
Intrinsically safe NAMUR sensor	I
Two intrins. safe NAMUR sensors	II
Pressure gauge 145 psi, 10 bar, brass/plastic, pointer	G
Pressure gauge 100 psi, SS316/304	U
Pressure gauge 160 psi, SS316/304, pointer	T
Pressure gauge 360 psi, 25 bar, SS304 cover, pointer	E
Standard POM body with optional borosilicate glass flow tube (instead of standard PSU tube)	L
Optional PVDF body (with borosilicate glass flow tube)	K
Optional PVDF body (with PSU flow tube)	KM
EPDM seals	Y
Integral check valve (available only on QD11 and OA16)	V
Floor mounting stand	S

Connectors (see above for other choices)

3/8" (10 mm) ID hose barb connectors, standard	leave blank
3/8" (10 mm) OD straight tube connectors for compression fittings	N

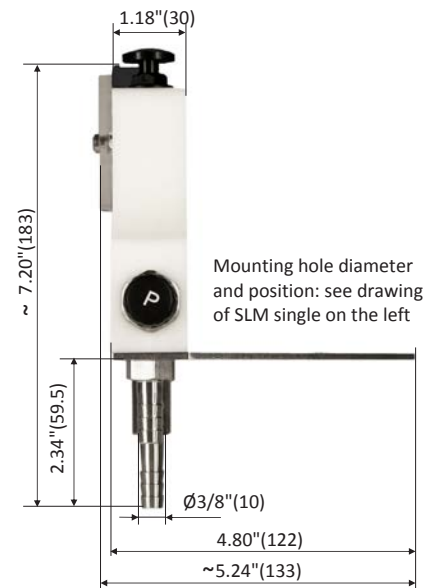
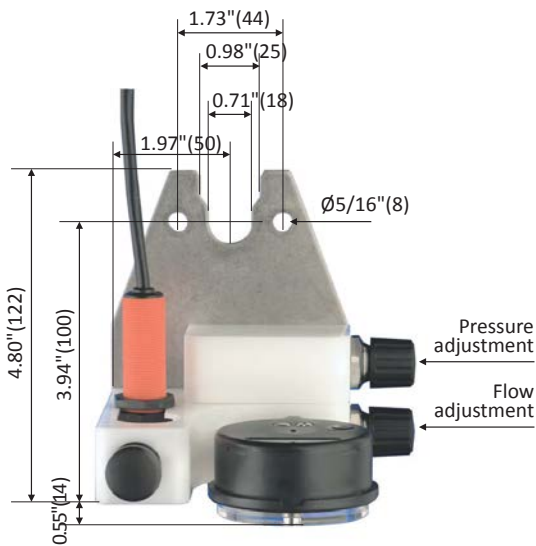
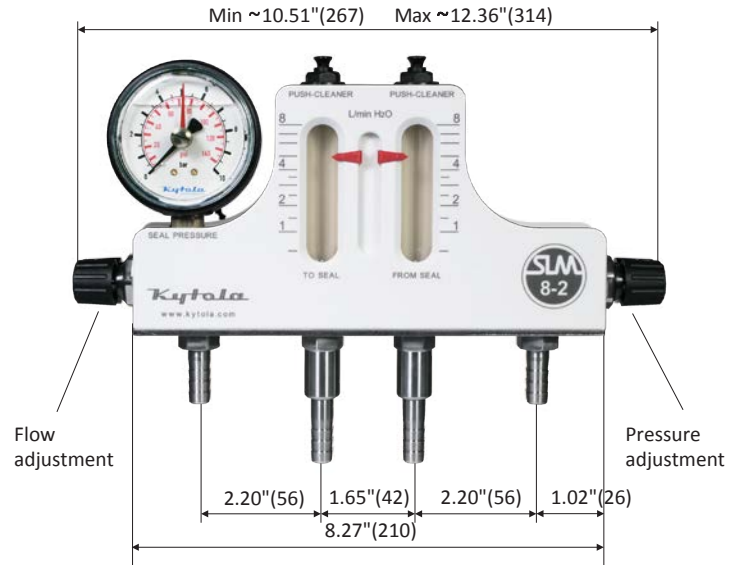
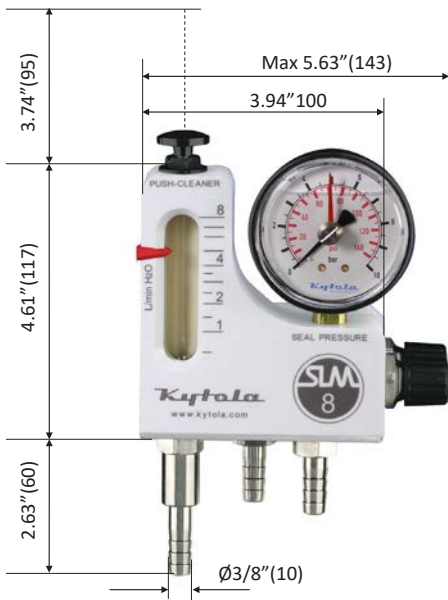
Example: SLM8-2-AAG (= Flow rate 0.5 – 8 L/min, alarm range 1–5 L/min, two inductive prox. sensors 20–250 VAC/DC, pressure gauge 0–10 bar, 10 mm hose barb connectors)

Accessories: Please consult your distributor for the complete list of SLM accessories.

** QD11 available up to models SLM15 with integral check valve (option V) and up to model SLM50 without V integral check valve.

Models SLM, SLMx-2

Body material	POM (PVDF optional material, code "K")
Flow tube	PSU with standard POM body (optional borosilicate glass tube, code "L") or borosilicate glass tube with PVDF body, material code "K" (optional PSU tube, code "KM")
Metallic parts	AISI 316, float AISI 329
O-ring seals	Viton®
Max. pressure	290 psi (20 bar)
Max. temperature	212°F (100°C)
Connectors	3/8" (10 mm) hose barb connectors
Weight	SLM: 2.6 lbs (1.2 kg), SLMx-2: 5.3 lbs (2.4 kg), incl. package, pressure gauge, pressurizing valve



All measures in inches (millimetres) if not stated otherwise. Copyright © Kytola Instruments Oy 2021. Dimensions and measurements are given within normal tolerances. Manufacturer reserves the right to changes without prior notification. File SLM_esd7NA_enPublished 12/2022.